#### ARIZONA DEPARTMENT OF WATER RESOURCES

#### Operations Division 500 North 3rd Street Phoenix, Arizona 85004



M9-S

#### WELL DRILLER REPORT

AUG 7 1995

This report should be prepared by the <u>driller</u> in all detail and filed with the Department within 30 day following completion of the well.

Street City State Zip  Driller Name: Boy Les Brothers Drivers Co. Address: 627 LD. NORTHNEW MY GLENDRUE A7. S5301  Street City State Zip  3. Location: 4 N/S 9 EW 28 1/4 St. 1/4 St. 1/4 My Mr. 100-acre 40-acre 160-acr  4. Well Registration No. 55- 5476/3 (Required)  DESCRIPTION OF WELL  6. Total depth of hole 1/578 ft.  7. Type of casing Sch. 40 LCS, Sch. 30 PVC.  Diameter and length of casing 5 1/4 in from 1/2 in from 1/2 to 1/570  9. Method of scaling at reduction points 1/2 Chan Ge or 1/2 Suh  10. Perforated from 1/2 to 1/570  11. Size of cuts Number of cuts per foot  12. If screen was installed: Length 60 ft. Diam 4 1/2 in Type 304, 0.080 slot.  13. Method of construction Description  14. Date started 1/5/3 Month Day 1/945  15. Date completed 1/5/3 Month Day 1/945  16. Depth to water 1/5/3 ft. (If flowing well, so state)  17. Describe point from which depth measurements were made, and give sea-level elevation if available 1/5/3 File No. 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4		Owner Name: Address:							AZ	&	5a3a.	
Street City State Zip  3. Location: 4 N/S 9 E/W 28 4 SU 4 S	,			<u> </u>		1	C. V.C.O					
Street City State Zip  Street City State Zip  Street City State Zip  State Zip  1. Location: 4 N/S 9 E/W S 4 SU 4 SU 4 SU 160-acr  1. Well Registration No. 55- 5474/13 (Required)  S. Permit No. (If issued)  DESCRIPTION OF WELL  S. Total depth of hole 1578 ft.  Type of casing Sch.40 LCS, Sch. 20 PVC.  Diameter and length of casing \$ 20 N in from 15 to 502 4 1/2 in from 502 to 1570.  Description of sealing at reduction points Chan 68 or 160 Sub 100 from 100 fr	<u> </u>	Driller Name:_	BOULES I	<del>B</del> ROTHE	es Deilu	AIG CO.						
Street City State Zip  1. Location: 4 N/S 9 E/W 28 4 Su 14 Su 14 Su 14 Mu Township Range Section 10-acre 40-acre 160-acr  1. Well Registration No. 55- 5474/3 (Required)  1. Describe point from which depth measurements were made, and give sea-level elevation if available PROMETE IN THIS SPACE OFFICE RECORD  1. Location: 4 N/S 9 E/W 28 14 Su										867	30	
Township   Range   Section   10-acre   40-acre   160-acre		<del></del>							State	Zi	p	<del></del>
Township   Range   Section   10-acre   40-acre   160-acre	١.	Location:		9	Œ/W _	28	_ ¼ _	5ω	_ ¼ _	SW	_ ¼ _	NW
DESCRIPTION OF WELL  5. Total depth of hole		Towns	ship	Range		Section	1	10-acre		40-асте	160	-acre
DESCRIPTION OF WELL  6. Total depth of hole	ŀ.	Well Registration	no. 55	5471	<u>413</u>			( <b>Re</b> q	(uired)			
6. Total depth of hole	5.	Permit No						(If issu	ied)			
6. Total depth of hole				D	ESCRIPTION	ON OF	WELL	r				
7. Type of casing Sch. 40 LCs, Sch. 80 PVC.  8. Diameter and length of casing 5 % in, from e-/5 to 502. 4 ½ in from 302 to /570  9. Method of sealing at reduction points Change over Sub  10. Perforated from to from to from to from to  1. Size of cuts Number of cuts per foot  2. If screen was installed: Length 60 ft. Diam 4½ in. Type 304, 0.080 slot.  3. Method of construction Decuse (artilled, dug, driven, bored, jetted, etc)  4. Date started FERUARY 32 /995  Month Day Year  5. Date completed Nach 33 /495  Month Day Year  6. Depth to water /53 ft. (If flowing well, so state)  7. Describe point from which depth measurements were made, and give sea-level elevation if available FROM THE 70P OF THE CARING  19. Remarks:  DO NOT WRITE IN THIS SPACE OFFICE RECORD  Registration No. 547613  File No. D(4-9) 28600		m salaa aa										
Diameter and length of casing 5% in, from -1.5 to 502. 4 1/2 in from 502 to 1590  Method of sealing at reduction points Choogs over Sub  Defrorated from to from the from from from from from from from from							îL	•				
Method of sealing at reduction points Change over Sub  O. Perforated from to from the from th	<i>!</i> .	Type of casing	<u> </u>	<u>/CS , SC/</u> / 9/	<u>n, 80 PVC.</u>	* - etc		1/ <sub>-</sub> :-	^	~ <b>~</b> \		
Perforated from to from to from to	i.	Diameter and it	ingth of casing	<u> </u>	m, from 😿	<u>-/.5° to_⊋</u>	<u>. دلين .</u>	<u>4/2</u> m	trom."	300	_to <u>_/</u>	70
Number of cuts per foot	).	Method of sear	ing at reduction	n points_	Change r	<u>ተላቀና 5ክ</u>	<u>ь                                    </u>			<del></del>		
2. If screen was installed: Length 60 ft. Diam 4½ in. Type 304, 0.080 slot.  3. Method of construction Decuse  (drilled, dug, driven, bured, jetted, etc)  4. Date started FERMARY 32 /995  Month Day Year  5. Date completed NARCH 33 /995  Month Day Year  6. Depth to water /53 ft. (If flowing well, so state)  7. Describe point from which depth measurements were made, and give sea-level elevation if available FROM THE TOP OF THE CAPIAGE  8. If flowing well, state method of flow regulation:  9. Remarks:  DO NOT WRITE IN THIS SPACE OFFICE RECORD  Registration No. 54763  File No. 10 (4.9) 21 86.6.											to	
Method of construction Describe  (drilled, dug, driven, bored, jetted, etc)  4. Date started FEBRUARY DAY Year  Month Day Year  5. Date completed NARCH DAY Year  6. Depth to water /53 ft. (If flowing well, so state)  7. Describe point from which depth measurements were made, and give sea-level elevation if available FROM THE TOP OF THE CARIAGE  8. If flowing well, state method of flow regulation:  19. Remarks:  DO NOT WRITE IN THIS SPACE OFFICE RECORD  Registration No. 547613  File No. TO 4.9 28600	l.	Size of cuts			Numbe	r of cuts	per too	ot				<del></del> -
(drilled, dug, driven, bured, jetted, etc)  4. Date started FERENARY Day 1995  Month Day Year  5. Date completed NARCH Day Year  6. Depth to water 153 ft. (If flowing well, so state)  7. Describe point from which depth measurements were made, and give sea-level elevation if available FROM THE TOP OF THE CARING  8. If flowing well, state method of flow regulation:  19. Remarks:  DO NOT WRITE IN THIS SPACE OFFICE RECORD  Registration No. 547613  File No. D (U. 9   28 fc.c.						. Diam_	442		_in. T	уре <u> 304.</u>	<u>0.080 s</u>	Jot S
4. Date started FERENARY 32 1995    Month   Day   Year	3.	Method of cons										
5. Date completed NAMECH 33 19.5    Month   Day Year		_	(drilie	id, dug, dri	iven, bored, jet	tted, etc)		22-				
Month   Day   Year	4,	Date started		RUARY	<u> </u>					<del></del>		
Month Day Year  ft. (If flowing well, so state)  7. Describe point from which depth measurements were made, and give sea-level elevation if available    Prom the top of the CAPING			Monti	.b '	Day							
ft. (If flowing well, so state)  7. Describe point from which depth measurements were made, and give sea-level elevation if available  FROM THE 70P OF THE CARING  18. If flowing well, state method of flow regulation:  19. Remarks:  DO NOT WRITE IN THIS SPACE  OFFICE RECORD  Registration No. 547(13  File No. 10 (4-9) 27 BCC	٥.	Date completed										····
17. Describe point from which depth measurements were made, and give sea-level elevation if available    PROM THE TOP OF THE CARING	4	Donth to water	1-11-11-1	_			F+ ()			(etata ~-		
Som the 75% of the CARING     Something well, state method of flow regulation:   19. Remarks:   DO NOT WRITE IN THIS SPACE OFFICE RECORD     Registration No. 547613     File No. 7) (4-9) 28 8 C C	о.	Depth to water		<u>'59</u>			IL. (1	If HOWING	, wen,	SO STATE		
18. If flowing well, state method of flow regulation:  19. Remarks:  DO NOT WRITE IN THIS SPACE OFFICE RECORD  Registration No. 547613  File No. 7) (4-9) 28 8 C C	7	Deccribe point	from which de	seth megi	overmente W	200 made	- ned a		م[م امت	varion if :	ounilah]	•
18. If flowing well, state method of flow regulation:  19. Remarks:  DO NOT WRITE IN THIS SPACE OFFICE RECORD  Registration, No. 547613  File No. 7) (4-9) 28666	۲.			-		SIC HIMUC	⊬ ann ≅	,1VC 354-10	ACI EIG	Vauch ii a	IVALIAUM	5
DO NOT WRITE IN THIS SPACE OFFICE RECORD  Registration No. 547613  File No. 7) (4-9 28866		PROPERTY.	HE TOP OF 7	THE CF	<del>}</del> \$ING							
DO NOT WRITE IN THIS SPACE OFFICE RECORD  Registration No. 547613 File No. 7) (4-9 28866	8.	If flowing well	. state method	of flow	regulation:							
DO NOT WRITE IN THIS SPACE OFFICE RECORD  Registration No. 547613 File No. 7) (4-9 28866	9.	Remarks:				Г					<del>_</del>	
File No. 1) (4-9) 28 BCC.											PACE	,
File No. 1) (4-9) 28 BCC.						İ	Decigira	etion No. 5	5476	13		
						1	ML5m	Man 1, 100	10.00	<u></u>		
DWR-55-55-10/94 (Rev.)   FNTERFD AUG 1.7 1995-						l	File No.	17 (U-9	TO PAC	-		
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I	R	-55-55-10/94 (Rev.)		<del></del>							~	

#### LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If wat is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
D	110	POORLY SDRIED ALLINIUM
110	/50	BASALI WITH PELSIC FRASHENTS
/ <del>5</del> 0	980	GILA CANGLAMPRATE , GREY AND RED FORELY INDURATED MAFIC
•		WITH TRACE CLAY
980	1580	QUARTE MONZANITE
	<u> </u>	
<u>,                                     </u>	_	
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hereby certify the contained are true	at this well was de to the best of m	illed by me(c knowledge	or under my supervision), a and belief.  Driller Name: Fault	and that each and	all statements herein
			1537 U. No		<u>NANUN JULUS.</u> NE
			Steer of le Are		iz- G4/- 173[
			City State   State	Zap	Phone No.
			Date	•	*** -

#### ARIZONA DEPARTMENT OF WATER RESOURCES GROUNDWATER MANAGEMENT SUPPORT SECTION

500 North Third Street, Phoenix, Arizona 85004-3903 Phone (602) 417-2470 Fax (602) 417-2422

#### REQUEST FORM TO CHANGE WELL INFORMATION OWNERSHIP \* DRILLER \* VARIANCE

Please complete the appropriate section of this request form and return to the above address with applicable fee. NOTE: A.R.S. § 45-593.C requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty days after changes take place.

SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.

#### 1. CHANGE OF WELL INFORMATION: (NO FEE REQUIRED)

	NOTE: If the location of the proposed well changes after fee for each well.	drilling authority has be	en issued, attach a \$10.00 reissue
	WELL REGISTRATION NO. 55- 547 C.	ELE NO:	D(4-9)>8BCC
	If known, I/We request the following well information be		_
	NAME CHANGE OF	NLY	
	Date Signature of Current Well (	Owner	
2.	STATEMENT OF CHANGE OF WELL OWNERSH	P: (\$10.00 FEE REO	(JIRED)
	NOTE: If this change consists of more than one well are each well requires a separate fee of \$10.00.	d the names are commo	n: attach a \$10.00 fee. Otherwise,
	I,, state that I a	m the Previous/New O	wner of the well described below:
	¼¼ of Section 10 Acre 40 Acre 160 Acre	Township	Range
	Well Registration No. 55- <u>See attached</u>	File No.:	(if known)
	Magma Copper Company	BHP Copper Inc.	
	PRINT Previous Owner's Name	PRINT New Ow	ner's Name
	7400 North Oracle Road, Suite 200		e Road, Suite 200
	Mailing Address	Mailing Address	
	Tucson Arizona 85704	Tucson	Arizona 85704 State Zip
	City State Zip	Ску	State Zip
	520-575-5600	<u>520-575-5600</u>	
	Telephone Number	Telephone Numb	er
	Signature of Previous/New Well Owner By:		Date x 4-23-21
	Title: £and	Manager	<del>-</del>
	DWR 55-71 (Rev 12/95)		100 0 c 100g
		× 600	ERED APR 2 6 1009 M

#### ARIZONA DEPARTMENT OF WATER RESOURCES GROUNDWATER MANAGEMENT SUPPORT SECTION

500 North Third Street, Phoenix, Arizona 85004-3903 Phone (602) 417-2470 Fax (602) 417-2422

#### 3. REQUEST TO CHANGE WELL DRILLER \$10.00 FEE REQUIRED FOR EACH WELL

This request must be received by this Department and the Drill Card issued to the new drilling firm prior to the drilling or completion of any well, Well Registration No. 55- \_\_\_\_\_ File No: \_\_\_\_\_ New Well Driller Original Well Drifler Mailing Address Mailing Address Telephone Number Telephone Number ADWR License Number ADWR License Number R.O.C. License Category R.O.C. License Category Typed or Printed Name of Well Owner Signature of Well Owner Date The fee charge for well ownership and reissue of drill card is authorized by R12-15-151, effective June 30, 1994. 4. REISSUE OF DRILLING AUTHORITY FOR VARIANCE REQUEST: (\$10.00 EACH WELL) NOTE: If extraordinary or unusual conditions exist, after the initial drilling authority has been issued, the well owner or well driller may request a variance from the provisions of R12-15-811. WELL REGISTRATION NO. 55-FILE NO: \_\_\_\_\_ I/WE REQUEST THE FOLLOWING WELL DRILLING AUTHORITY BE REISSUED PER THE ATTACHED VARIANCE REQUEST:

Date \_\_\_\_\_

Signature of Well Owner/Well Driller \_\_\_\_\_\_

DWR 55-71 (Rev 12/95)

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MV PK M)

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МД! МД!

MAC BC; MI)

44( 60% MIA

946 808 418

MAG: BOX MOAL

NAME: MAGMA REPORT NO: HUSO20 REPORT DATE: 1731/96	COPPER	CO ARIZONA DERARTHENT OF WATE OPERATIONS **** WELLS SEQUENCED BY A	3 3 IV I S I O N		GRID	: J ()9 -AQE 5,081
FU:L-NAMĪ	0 T K J D N A W 3 D N 8	8 9 7 7 WELL E 23 858 NO DEPTH T	CD CASED SA LEYFL (GPM) CASED SA LEYFL (GPM)	45.1 97741 0778	DRL TIC PYR MG: USE	WS 10 C AN 02 4 TE GT N
MASMA COPFER CO 7400 N 09ACI E RD 162 TUCSON AZ	5 4.0 7.0 857C4	?& Ç 5 A 55-547810 1403	1579 04 6164	7/27/1995	314 4	CB X N
MAGMA COPPER CO 14505 E MUNT HAY PLORENCE 44	0 4.0 9.0 85232	53 55-548244			028 X	GS IN
MAGMA COPPER CO 14505 E HUNT HAY FLORENCE AZ	2 4.0 9.0 85232	28 55=548247			N \$50	CB IN
MORA CORRESON AMENA ON XCB CM ZA ZMAIM	A 1.0 13.0 85539	24 8 S C 55-539473 9190	0190 01	6/25/1993	269 Y	C7 X N
MAGMA COFFER CO 7400 N CRACLE RD 162 TUCSON A4	3 4.0 9.0 83764	28 ° 0 A 55-547811 €770	9760 QA 0164	8/11/1995	314 #	LS XN
MASMA CORPER CO 7400 N GRACUE RO 163 TUCSON A&	0.4.G 9.0	28 ¢ B A 55-547812 1440	1413 04 0164.	8/01/1995	314 H	υδ X 4
MASMA COPPER CO 7400 N CRACLE RO 163 TUCSON A4	0 4,0 9.0 85704	29 ¢ 0 c 55-547813 €630	0614 05 0157 00014	6/06/1 <b>795</b>	314 H	N8 X X
MAGMA COPPER DO 7400 N ORASCE RO MUCSON AZ	p 4.0 9.0 857C4	28 e C C 55-547611 G940	0928 C5 0155 00014	≙/36/1995	025 H	ng XX
MAGNA COPPER CO 7400 N GRACLE RO TUGSON AX	5 4.0 9.U 85704	28 H C C 55-547612 1115	1090 07 0149 0900	4/12/1995	. 058 м	X X 80
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MAGHA COPPER CO 7400 N CHACLE RO 162 TUCSON AZ	D 4-0 9.0 95704	33 e e c   53-547614 C370	0\$58 DS 0097 0001≐	5/23/1995	\$14 M	1:5 X X

9-139 # 861-8

2.5.64 alt+6

( MONSTOR/PIEZOMETER WELL

#### ARIZONA DEPARTMENT OF WATER RESOURCES OPERATIONS DIVISION

500 NORTH THIRD STREET

PHOENIX, ARIZONA 85004. (602) 417-2470

		CIEVOMETER WE
JAN	24	FILING FEE \$10

M7-gc

FILING FEE \$10.00

NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL OPERATIONS ON Section \$45.596, Arizona Revised Statutes provide: Prior to drilling a monitor or piezometer well, a Notice of

	ention to Drill shall be filed with the I		eartment.		•
1.	WELL LOCATION:	7.	Consulting Firm:BC	10.	Construction will start: February 1995
	4 NS 9 FW 28 Township Range Section		Contact Person: Steve Mellon		Month Day Year
	SW 1/4 SW 1/4 NW 1/4		Phone: 602-222-4445	11.	Period well will remain in
	10 ACRE 40 ACRE 160 ACRE	8.	Purpose of well drilled pursuant to this notice		use 3 Months Years
2.	Position location of the well on the land:		Monitor X	12.	For monitoring wells, is pump equipment to be installed?
	Latitude 33 0 3 · 15 -		Piezometer		YesNo_X
	Longitude 111 0 26 12	9.	If for deepening or modifying, Well Registration Number		(a) If yes, design pump
3.	County: Pinal		55		(b) What use will be made of the water
4.	Owner of the land of wellsite: Magma Cooper Company			13.	Drilling firm:
	Name	Г	DO NOT WRITE IN THIS SPACE	٦	Boyles Brothers Drilling Co
	7400 N. Oracle Rd., Ste. 200 Address	•	OFFICE RECORD	-	Name 6527 W. Northview Ave.
	Tucson AZ 85704 City State Zip	ŀ	File No. () (4-9) 28 BCC		Address Glendale AZ 85301
5.	Lessee of the land of wellsite:		Filed <u>1-24-95</u> By <u>ek</u>		City State Zip
	Name	[	InputBy		DWR License No. 28 Class A-04
	Address		InputByByB (205		076-386-002 ROC License classification
	City State Zip		Mailed /-3/- 75 By A	  -  14.	Is the proposed wellsite within 100 feet
6.			Registration 55- <u>5476/3</u>		of a septic tank system, sewage ,' disposal area, landfill, hazardous wash
	Magma Copper Company Name	1	AMAINA Pincel		facility, storage area of hazardous material or petroleum storage areas
	7400 N. Oracle Rd., Ste. 162	2 ].	W/s <u>268</u> s/B <u>11</u>		and tanks? Yes NoX
	Tucson AZ 85704 City State Zip	L		ن	<u></u>
16.	Proposed method of abandonment of well after	r pro	eject is completed: According to Regu	lat	ion R-12-15-816
17.	Is this well to monitor existing contamination?		NO Potential contamination	_	. Please explain:
			GENERAL INSTRUCTIONS		T BLIOCHEN AT BERGI.
1. 2.	Fill out this form in <u>DUPLICATE</u> and send <u>W</u> For specific instructions, limitations and coudi	71TI it:lor	H \$10.00 FEE to 500 NORTH THIRD ST is, see the reverse side of this form.	KEE	T, PHOENIX, AZ 85004
3. 4.	Must be signed by land owner or lessee.		Il determine that all information required on for	n ha	s been submitted. If not, the person filing will
•-	be notified and the drilling, deepening, or mod				

I state that Notice is filed in compliance with Section § 45-596 and is complete and correct to the best of my knowledge and belief and that I

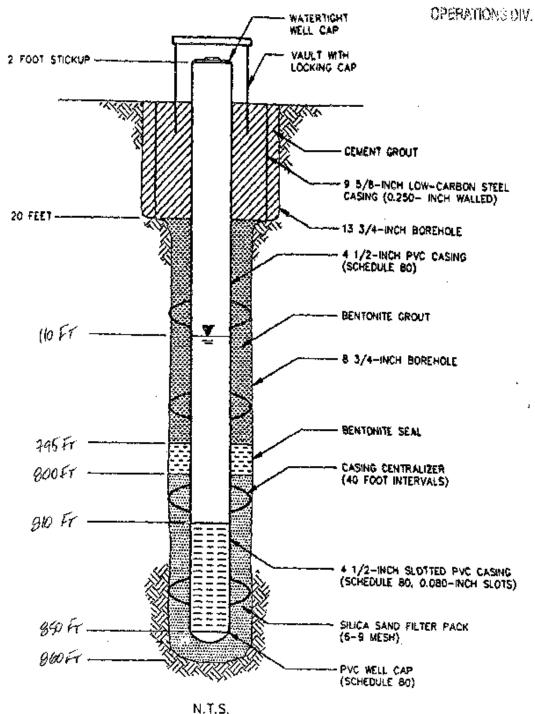
[ ] Lesses of wellsite

TAKK 55-84 969 (Rec) 1

<u>Dan S. Ramey</u> Typed or Printed Name

understand the conditions set forth on the reverse side of this form.

18.	If construction plans have been coordinated with Ariz agency contact?	ona Department	of Environments	al Quality, w	ho is the				
	If construction plans have been coordinated with Ariz contact?	ona Department	of Water Resour	ces, who is t	he agency				
19.	WELL CONSTRUCTION PLAN								
	a) Drilling method (mud rotary, hollow-stem auger,	etc.)Mud_Ro	tary	_					
	b) Borehole diameters: 133/4 inches from				·				
	•	20 feet to							
	c) Casing materials (PVC, steel, hollow-stem auger,								
	material Steel diameter 958		O feet to	20	feet				
	material Steel diameter 4				feet				
	d) Method of sealing at reductions								
	e) Annular seal materials (cement, grout, etc.); meth	od of placement	(tremied, circula	ted)					
	material Cement Grout method Tremle	_ from	feet to	20	feet				
	material Bentonite Grout method Trenie				feet				
	f) Filter packs (state material):,				_				
	material Cobredo Silico Sond	_ from <i>80</i>	feet to_	860	feet				
	material #6-9 Mesh	from	feet to		feet				
	g) Perforations or screen specifications:		<del></del>						
	type .080 inch slot PVC Schol 80	_from 810	7 feet to	850	feet				
	type	from	feet to		feet				
	h) Method of well development (bail, air lift, surge) Air Lift and Jetting								
20.	<ol> <li>Will surface or conductor casing extend above grad Include detailed construction diagram showing expect vault, if specified.</li> </ol>			surface, and	d details o				
	CONDIT	TONS							
I,	Construction and abandonment standards for all wells R12-15-816.	shall be in accor	rdance with A.A.	C. R12-15-81	1 and				
11.	Drilling of the well shall be completed within one (1) y	ear after the dat	e of Notice.						
III.	A Well Driller Report, is required within 30 days of corto be filed with the Department within 30 days after in	mpletion of drilli estallation of pun	ng. A Completio np equipment for	n Report, is 1 monitor we	required lls.				
IV.	Pump equipment <u>may not</u> be installed on a well drilled for piezometer purposes. If a monitor well is pumped, pumping is limited to the maximum amount required for monitor purposes, <u>but in no case</u> may exceed 35 gallons per minute and an annual volume of 10 acre feet total.								
V.	A.A.C. Rule R12-15-811.H.2, requires that: "A monitor cover or at the top of the steel casing. Identification in	r well shall be ide formation will in	entified as such o iclude well regist	n the vault ration numb	er."				
VI.	Special construction standards required pursuant to A	A.C. Rule R12-1	5-821:	· · · · · · · · · · · · · · · · · · ·					
			<del></del>						



#### NOTES:

- 1. PVC = POLYYINYL CHLORIDE 2. CASING DIMENSIONS ARE OUTSIDE DIAMETER

WELL DESIGN

#### ARIZONA DEPARTMENT OF WATER RESOURCES

500 N 3RD ST., PHOENIX, AZ. 85004 Telephone (602) 417-2470 Fax (602) 417-2401

January 30, 1995

MAGMA COPPER CO. 7400 N. ORACLE RD. \$162 TUCSON, AZ. 85704

PIFE SYMINGTON
Governor

RITA P. PEARSON Director

RE: Registration No. 55-547611 THRU 55-547617

File No. VARIOUS

Dear Well Owner:

Enclosed for your records is an annotated copy of the Notice of Intention to Drill a well. This is returned to you as evidence of compliance with A.R.S. §45-596. A drilling card has been mailed to your designated driller. Prior to drilling he must have it in his possession.

Since this well is being drilled as a Monitor well, or for Cathodic Protection, Grounding, Geotechnical or Piezometer purposes, our standard driller report form is also being furnished to the driller. He is required to complete it and return it to the Department within 30 days after the completion of the well. A Completion Report form is being furnished for monitor wells where pump installation is authorized. This must be completed within thirty days of installation as required by A.R.S. §45-600.

A Change of Well Information form is enclosed for your future use. If you deem it necessary to change the location of the proposed well, please notify the Department on the enclosed form. A properly amended Drilling Card will then be issued and must be in possession of the driller before drilling begins. During the drilling of a new well, if it is determined that it must be abandoned, then a Well Abandonment Completion Report must be submitted per R12-15-816.F.

Per A.R.S. §45-593, the person to whom a well is registered shall notify this Department of a change of ownership of the well and/or information pertaining to the physical characteristics of the well, in order to keep the well registration file current and accurate.

For additional information, you may contact the Operations Division at (602) 542-1581.

Sincerely,

Ellen Kane

Groundwater Permit Specialist

BROWN & CALDWELL, 3636 N. CENTRAL AVE. S300 PHOENIX, AZ. 85012

# STATE OF ARIZONA DEPARTMENT OF WATER RESOURCES OPERATIONS DIVISION 15 SOUTH 15TH AVENUE PHOENIX, ARIZONA 85007 (602) 542-1581

ENTRY CODE \_\_\_\_55

FILE NO.	VARIOUS	547611	THRU	547617	
	ITEM DE	SCRIPTION	 	RATE	AMOUNT
FILING FE	E FOR NOT TO DR	ILL WELLS		\$10.00	\$70.00
			(D) (D)		
			166		
		JAN 3	01005		
		Pal	TIPS		
		U Cal			
<u> </u>	1/30/95/ek CK	<b>₽</b> 7519	<u></u> j_		\$70.00
CHECK NO.	F	EE ACCOUNT NO		TOTAL \$	
CHIT NO	F	RECEIVED BY		DATE	

## ARIZONA DEPARTMENT OF WATER RESOURCES OPERATIONS DIVISION

500 North Third Street Phoenix, Arizona 85004-3903 Phone (602) 417-2470

### DUPLICATE

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO. 55-547611 THRU 55-547613

AUTHORIZED DRILLER: BOYLES BROS. DRILLING CO.

LICENSE NO. 28

NOTICE OF INTENTION TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

Owner of Well(s) MAGMA COPPER CO.

7400 N. ORACLE RD. \$162

TUCSON

AZ 86704

The well(s) is/are to be located in:

5W 1/4 SW 1/4

NW 1/4

Section 28 Township

4.0 SQUTH

Range

9.0 EAST

10 acra 40 acra 160 acra

NUMBER OF WELLS IN PROJECT:

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON JAN 23RD, 1998



THE DRILLER SHALL FILE A LOG OF THE WELL WITHIN 30 DAYS OF COMPLETION OF DRILLING.

CHIEF, OPERATIONS DIVISION

M9-S
- <b></b>
n No. <u>55 - 5476)3</u>
D(4-9)28bcC

- 1. Per A.R.S. § 45-600, the Completion Report is to be filed with the Department within 30 days after installation of pump equipment by the registered well owner.
- Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
- 3. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.
- 4. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.

land surface.	and romandar op	or the policy of	NOMES AND TOO A TRANSPORT	g won by moustaing the	HALLIAI JIOW AL UI
LOCATION OF THE	E WELL:				
4 N/S Township	9 DW Range	<u>ුළි</u> Section	Si) 1/4 10-acre	<u>S</u>	<u>νω</u> 1/4
EOUIPMENT INSTALL	-				
Kind of pump		TUEBINE ntrifugal, etc.			<u> </u>
Kind of power	ELECTE IC. Electric, natural gas	, gasoline, etc.	H.P. Rating of	Motor/.5	<del></del>
Pumping Capacity	5 GPM Gallons per	- 14 Gpm minute	Date pump instal	leđ: <u>9- 20-96</u>	<del>-</del>
WELL TEST:					
Test pumping capacity	D. 5 GA Gallons per		Date Well T	ested: <u>9-20-9</u>	5
Method of Discharge Mean		<u>Arence</u> eir, orifice, current			
Static Groundwater Level_			·	<u> 3/8.8</u>	f
Total Pumping Lift	487		_ft. Drawdown	Flowing Well)	1bs
I HEREBY CERTIFY that th	e above statements are	true to the best of my	_	lowing wen)	
			Print Wall	MA COPPER COM	PANY
Date	, 19	)	XX.	of Well Owner or Age	nt ·
	ENTE <b>RE</b>	D OCT 1 0 198	Address	E. HUNT HIS	ншач

State

DWR-55-56-7/91 (Rev.)